

REMARKS

The Office Action mailed June 24, 2008 has been received and reviewed. By the present Response and Amendment, Claims 1-34 are cancelled and new Claims 33-55 are added. No new matter is introduced.

Response to Election and Restriction Requirements

Applicant elects to continue prosecution of Species I.

Within Species I, Applicant elects Group I, Claims 29 and 31 readable thereon.

Response to Claim Rejections

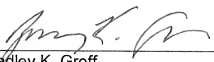
The previously examined claims, Claims 29 and 31, were rejected under 35 U.S.C. §101 as non-statutory subject matter, and under 35 U.S.C. §112, second paragraph, as indefinite. These claims have been canceled and new claims submitted, which are believed to comply with the statutory requirements.

Claim 29 stands rejected under 35 U.S.C. §102 as allegedly anticipated by Aldana, and Claim 31 stands rejected under 35 U.S.C. §103 as allegedly obvious over Aldana in view of Omidvar. Applicant respectfully traverses and requests reconsideration in view of the newly submitted claims. The Aldana reference at page 82 refers to a prior version of Attrasoft Boltzmann Machine software based on a different algorithm than is presently claimed. The Aldana reference appears to be a student thesis, but there is no indication of when it may have been cataloged, indexed, shelved and/or published, and Applicant traverses whether it is even properly applied as a reference under 35 U.S.C. §102. *In re Cronyn*, 890 F.2d 1198 (Fed. Cir. 1989). In any event, neither the Aldana or Omidvar references disclose or suggest the invention as presently claimed. For example, the presently claimed invention includes "assigning connection values based on the input vector," which was not done in the prior software version referenced by Aldana, and is nowhere disclosed or suggested in the art of record.

CONCLUSION

In view of the amendments submitted herein and the above comments, it is believed that all grounds of rejection are overcome and that the application has now been placed in full condition for allowance. Accordingly, Applicant earnestly solicits early and favorable action. Should there be any further questions or reservations, the Examiner is urged to telephone Applicant's undersigned attorney at (770) 984-2300.

Respectfully submitted,



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